EQUITY | EXPLORATION CONSULTANTS LTD.

GeoSpark Logger ~ Drill Log

Project: KZK **Hole Number:** K16-367

Prospect:	Krakatoa	Hole Type:	DD	Survey Type:	RTK DGPS	Logged By:	Dillon Hume
Grid:	NAD83_Z9	Hole Diameter:	96	Survey By:	Challenger_Survey	Date Logging Start:	6/20/2016
UTM Easting	415073.842	Core Size:	HQ3	Azimuth:	215.1	Date Logging Complete:	6/23/2016
UTM Northing:	6815185.899	Casing Pulled?:	Yes	Dip:	-65.1	Drill Company:	Hytech
UTM Elev. (m):	1386.377	Casing Depth (m):	9	Length (m):	282	Drill Rig:	Tech 5000
Local Easting:		Stored?:	Yes	Claims Title		Drill Started:	6/15/2016
Local Northing:		Cemented?:	Yes	Core Storage Loc.:	KZK Camp	Drill Completed:	6/18/2016
Local Elev. (m):				Hole Completed?:	Completed	Purpose:	Resource Definition
Comments:						Parent Hole:	

K16-367 was drilled to test inferred portions of the Krakatoa upper and main lenses. As well as detailed geotechnical logging for proposed underground mine.
K16-367 encountered bedrock at 8.7 m. From 8.7-118.2 m, the felsic hanging wall package is encountered, with a zone of OJ mineralization from 107.8-111.5 m. The mafic sill occurs from 118.2-173.1 m, with zones of mineralization from 147.5-148.2 (OJ), 151.9-152.8 (OJ and OB), and 155.1-156.1 (OK). Below the mafic sill three lenses of massive sulfide occur: OK from 173.1-177.1 m (OK), 178.8-180 m (OK), and 184.3-188.8 m (OB). Each lens is separate by strongly MU-altered rhyolite. Below these lenses the mafic sill occurs again (188.8-207.6 m), with minor OJ mineralization at the lower contact (207.6-207.9 m). Below the OJ mineralization the felsic footwall package persists to 273.1 m with decreasing MU-alteration. From 273.1-282 m (EOH) a moderately to strongly faulted CL-BI unit (SED?) occurs.

Downhole Surveys:

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
0	-65.1	213.7	1.4	215.1	TN14	Roger Hulstein	6/15/2016		☑	Rig aligned to true north (measured azimuth). Grid convergence of 1.4 deg applied to correct to UTM azimuth.
5	-64.98253	214.04192	1.4	215.44192	Gyro	Steve Bultitude	6/20/2016		☑	100
10	-64.91103	214.14876	1.4	215.54876	Gyro	Steve Bultitude	6/20/2016		☑	100
15	-64.83167	214.14953	1.4	215.54953	Gyro	Steve Bultitude	6/20/2016		☑	100
18	-64.8	195.9	22.1	218	ReflexEZS	Hytech	6/16/2016	5813	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
20	-64.82456	214.24541	1.4	215.64541	Gyro	Steve Bultitude	6/20/2016		☑	100
25	-64.71746	214.47121	1.4	215.87121	Gyro	Steve Bultitude	6/20/2016		☑	100
30	-64.72376	214.56892	1.4	215.96892	Gyro	Steve Bultitude	6/20/2016		☑	100
35	-64.54737	214.60352	1.4	216.00352	Gyro	Steve Bultitude	6/20/2016		☑	100
40	-64.34348	214.5172	1.4	215.9172	Gyro	Steve Bultitude	6/20/2016		☑	100
42	-64.3	197.2	22.1	219.3	ReflexEZS	Hytech	6/16/2016	5780	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
45	-64.23034	214.62345	1.4	216.02345	Gyro	Steve Bultitude	6/20/2016		☑	100
50	-64.14508	214.52602	1.4	215.92602	Gyro	Steve Bultitude	6/20/2016		☑	100
55	-64.18501	214.74925	1.4	216.14925	Gyro	Steve Bultitude	6/20/2016		☑	100
60	-64.07473	214.86724	1.4	216.26724	Gyro	Steve Bultitude	6/20/2016		☑	100

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Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
65	-64.02132	215.04588	1.4	216.44588	Gyro	Steve Bultitude	6/20/2016		☑	100
66	-63.8	201.2	22.1	223.3	ReflexEZS	Hytech	6/16/2016	5921	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
70	-63.92178	215.20261	1.4	216.60261	Gyro	Steve Bultitude	6/20/2016		☑	100
75	-63.84413	215.30366	1.4	216.70366	Gyro	Steve Bultitude	6/20/2016		☑	100
80	-63.8309	215.2783	1.4	216.6783	Gyro	Steve Bultitude	6/20/2016		☑	100
85	-63.80513	215.1155	1.4	216.5155	Gyro	Steve Bultitude	6/20/2016		☑	100
90	-63.76278	215.30343	1.4	216.7	Gyro	Steve Bultitude	6/20/2016		☑	100
90.1	-63.7	194.7	22.1	216.8	ReflexEZS	Hytech	6/16/2016	5770	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
95	-63.65657	215.01118	1.4	216.41118	Gyro	Steve Bultitude	6/20/2016		☑	100
100	-63.48829	215.05524	1.4	216.45524	Gyro	Steve Bultitude	6/20/2016		☑	100
105	-63.43991	214.8836	1.4	216.2836	Gyro	Steve Bultitude	6/20/2016		☑	100
110	-63.36054	215.13108	1.4	216.53108	Gyro	Steve Bultitude	6/20/2016		☑	100
114	-63.4	198.6	22.1	220.7	ReflexEZS	Hytech	6/16/2016	5781	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
115	-63.39326	215.16745	1.4	216.56745	Gyro	Steve Bultitude	6/20/2016		☑	100
120	-63.51277	215.10273	1.4	216.50273	Gyro	Steve Bultitude	6/20/2016		☑	100
125	-63.46391	215.22444	1.4	216.62444	Gyro	Steve Bultitude	6/20/2016		☑	100
130	-63.42857	215.27928	1.4	216.67928	Gyro	Steve Bultitude	6/20/2016		☑	100
135	-63.40644	215.2711	1.4	216.6711	Gyro	Steve Bultitude	6/20/2016		☑	100
138	-63.5	197.1	22.1	219.2	ReflexEZS	Hytech	6/16/2016	5782	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
140	-63.37059	215.32533	1.4	216.72533	Gyro	Steve Bultitude	6/20/2016		☑	100
145	-63.36455	215.53303	1.4	216.93303	Gyro	Steve Bultitude	6/20/2016		☑	100
150	-63.41541	215.60737	1.4	217.00737	Gyro	Steve Bultitude	6/20/2016		☑	100
155	-63.49027	215.74927	1.4	217.14927	Gyro	Steve Bultitude	6/20/2016		☑	100
160	-63.45642	215.94169	1.4	217.34169	Gyro	Steve Bultitude	6/20/2016		☑	100
162	-63.4	196.8	22.1	218.9	ReflexEZS	Hytech	6/17/2016	5823	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
165	-63.45221	216.07295	1.4	217.47295	Gyro	Steve Bultitude	6/20/2016		☑	100
170	-63.36168	216.30094	1.4	217.70094	Gyro	Steve Bultitude	6/20/2016		☑	100
175	-63.30024	216.54184	1.4	217.94184	Gyro	Steve Bultitude	6/20/2016		☑	100
180	-63.25478	216.57821	1.4	217.97821	Gyro	Steve Bultitude	6/20/2016		☑	100
182	-63.1	196.4	22.1	218.5	ReflexEZS	Hytech	6/17/2016	5758	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.

Depth (m)	Dip	Measured Azimuth	Correction Factor	Corrected Azimuth	Survey Type	Survey By	Survey Date	Mag Field	Accept Values?	Comments
185	-63.25893	216.54696	1.4	217.94696	Gyro	Steve Bultitude	6/20/2016		☑	100
190	-63.1657	216.53521	1.4	217.93521	Gyro	Steve Bultitude	6/20/2016		☑	100
195	-63.06626	216.06002	1.4	217.46002	Gyro	Steve Bultitude	6/20/2016		☑	100
200	-62.98168	215.92249	1.4	217.32249	Gyro	Steve Bultitude	6/20/2016		☑	100
205	-62.9545	215.82319	1.4	217.22319	Gyro	Steve Bultitude	6/20/2016		☑	100
210	-62.97675	215.31816	1.4	216.72	Gyro	Steve Bultitude	6/20/2016		☑	100
210.1	-63.1	196.8	22.1	218.9	ReflexEZS	Hytech	6/17/2016	5754	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
215	-63.15896	214.53187	1.4	215.93187	Gyro	Steve Bultitude	6/20/2016		☑	100
220	-63.17801	214.15136	1.4	215.55136	Gyro	Steve Bultitude	6/20/2016		☑	100
225	-63.1643	214.04942	1.4	215.44942	Gyro	Steve Bultitude	6/20/2016		☑	100
230	-63.18372	214.01103	1.4	215.41103	Gyro	Steve Bultitude	6/20/2016		☑	100
234	-63.3	196.5	22.1	218.6	ReflexEZS	Hytech	6/17/2016	5773	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
235	-63.20591	213.83624	1.4	215.23624	Gyro	Steve Bultitude	6/20/2016		☑	100
240	-63.25408	213.56896	1.4	214.96896	Gyro	Steve Bultitude	6/20/2016		☑	100
245	-63.30792	213.54007	1.4	214.94007	Gyro	Steve Bultitude	6/20/2016		☑	100
250	-63.27608	213.61221	1.4	215.01221	Gyro	Steve Bultitude	6/20/2016		☑	100
255	-63.21593	213.79392	1.4	215.19392	Gyro	Steve Bultitude	6/20/2016		☑	100
258	-63	195.7	22.1	217.8	ReflexEZS	Hytech	6/17/2016	5762	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.
260	-63.11693	213.78947	1.4	215.18947	Gyro	Steve Bultitude	6/20/2016		☑	100
275	-63	194.4	22.1	216.5	ReflexEZS	Hytech	6/17/2016	5757	☐	Measured azimuth relative to magnetic north. Grid declination of 22.1 deg applied to correct to UTM azimuth.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
0.00	**8.70**	**OVBN** **Overburden**									
8.70	**16.30**	**RHYif** **feldspar and quartz porphyry intrusions**									

8.7 - 16.3: Light grey, QZ-FD phyric rhyolite. Groundmass is aphanitic and glassy. FD crystals range from fine grained to coarse grained, are fractured, and locally partially altered to sericite. QZ eyes are fine grained and blue. Potentially welded crystal tuff or coherent flow.

<<Min: 8.7 - 16.3 2% Min: Pyrite>>

<<Alt: 8.7 - 16.3 Trace Calcite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

16.30 19.40 RHYva Coarse grained to ash tuff

16.3 - 19.4: Medium grey, fine grained ash tuff with local lpl.

<<Min: 16.3 - 19.4 1% Min: Pyrite>>

<<Alt: 16.3 - 19.4 Weak-Moderate Calcite>>

19.40 29.00 RHYif feldspar and quartz porphyry intrusions

19.4 - 29: Light grey, QZ-FD phyric rhyolite. Groundmass is aphanitic and glassy. FD crystals range from fine grained to coarse grained, are fractured, and locally partially altered to sericite. QZ eyes are fine grained and blue. Potentially welded crystal tuff or coherent flow.

<<Min: 19.4 - 29 3% Min: Pyrite>>

<<Alt: 19.4 - 29 Trace Calcite>>

29.00 29.80 MAFi Mafic Intrusions (primarily footwall mafic intrusion)

29 - 29.8: Light olive green to purple, Cl-BI-CA-QZ schist, with chill margins or altered margins. Mafic dyke or altered pelite?

<<Min: 29 - 29.8 0.5% Min: Pyrite>>

<<Alt: 29 - 29.8 Moderate Calcite>>

<<Struc: 29.6 - 31.3 Weak-Moderate Fault>>

29.80 48.30 RHYif feldspar and quartz porphyry intrusions

29.8 - 48.3: Light grey, QZ-FD phyric rhyolite. Groundmass is siliceous, aphanitic and glassy. FD crystals range from fine grained to coarse grained, are fractured, and locally partially altered to sericite. QZ eyes are fine grained and blue. Potentially welded crystal tuff or coherent flow. Local patchy sulfide +/- minor chlorite alteration. Lower margin displays flow banding.

<<Min: 29.8 - 48.4 3% Min: Pyrite>>

<<Min: 40.7 - 46.3 0.1% Min: Sphalerite>>

<<Min: 40.7 - 46.3 1% Min: Pyrrhotite>>

<<Min: 40.7 - 46.3 0.1% Min: Galena>>

<<Alt: 29.8 - 48.4 Trace Calcite>>

<<Alt: 45.85 - 46.3 Weak Chlorite>> Minor chlorite alteration of FD(?) phenocrysts. Related with disseminated PY+PO.

<<Struc: 38 - 38.2 Weak Fault>>

48.30 49.55 RHYvl Lapilli tuff

<<Min: 48.4 - 49.55 1% Min: Pyrite>>

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Alt: 48.4 - 83.85 Weak Calcite>>

49.55 52.70 RHYcw Curdy textured-flow banded (flows, subvolcanics)

<<Min: 49.55 - 67.5 2% Min: Pyrite>>

52.70 56.60 RHYva Coarse grained to ash tuff

52.7 - 56.6: ash tuff with local bands of pelitic material and disseminated lpl

56.60 57.35 RHYcw Curdy textured-flow banded (flows, subvolcanics)

57.35 67.50 RHYvx Quartz and/or feldspar crystal tuff

57.35 - 67.5: Variable unit ranging from ash tuff to curdy coherent rhyolite. Dominated by QZ-eye and FD-phyric lpl tuff with siliceous blebby lpl. Local bands with lpl altered to chlorite with disseminated sulfides.

<<Min: 64.7 - 67.7 1% Min: Pyrrhotite>>

<<Alt: 62.9 - 63 Weak Chlorite>> Minor chlorite alteration of FD(?) phenocrysts. Related with disseminated PY+PO.

<<Alt: 64.3 - 64.4 Weak Chlorite>> Minor chlorite alteration of FD(?) phenocrysts. Related with disseminated PY+PO.

<<Alt: 66.6 - 66.85 Weak Chlorite>> Minor chlorite alteration of FD(?) phenocrysts. Related with disseminated PY+PO.

67.50 69.75 RHYva Coarse grained to ash tuff

67.5 - 69.75: Ash tuff with minor bands of pelitic material.

<<Min: 67.5 - 69.75 0.5% Min: Pyrite>>

69.75 83.85 RHYv Rhyolite volcaniclastic

69.75 - 83.85: Alternating gradational horizons of RHYva and RHYvl and local siliceous banding

<<Min: 69.75 - 83.85 0.5% Min: Pyrite>>

<<Min: 69.75 - 83.85 1% Min: Pyrrhotite>>

<<Struc: 72 - 72.1 Weak Fault>>

83.85 86.90 SED undifferentiated Sediment

83.85 - 86.9: MU-BI-CA-QZ schist with disseminated PY and well developed foliation

<<Min: 83.85 - 86.9 0.5% Min: Pyrrhotite>>

<<Alt: 84.15 - 86.9 Moderate Calcite>>

86.90 91.40 RHYva Coarse grained to ash tuff

86.9 - 91.4: Minor layers with lpl. Horizon of SED from 88.6-88.85 m.

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

<<Min: 86.9 - 91.4 0.5% Min: Pyrrhotite>>

<<Alt: 86.9 - 107.8 Weak Calcite>>

<<Struc: 90 - 90.4 Weak Fault>>

91.40 107.80 RHYvl Lapilli tuff

91.4 - 107.8: Moderate MU-altered lpl volcaniclastic with felsic and PO lpl.

<<Min: 91.4 - 107.8 1% Min: Pyrrhotite>>

<<Alt: 91.4 - 93 Weak Muscovite>>

<<Alt: 93 - 107.8 Moderate Muscovite>>

<<Vein: 104.3 - 108 15% Quartz 90 deg. >> Massive white QZ-veining (7x 10-15 cm) wide with minor blebby carbonate +/- CL +/- sulfide

<<Struc: 94.4 - 96 Weak Fault>>

<<Struc: 105 - 105.8 Weak-Moderate Fault>>

107.80 111.50 OJ Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock

107.8 - 111.5: Heavily disseminated CL(-after-CI?) porphyroblasts with disseminated to patchy PO+PY

<<Min: 107.8 - 111.5 5% Min: Pyrite>>

<<Min: 107.8 - 111.5 5% Min: Pyrrhotite>>

<<Alt: 107.8 - 111.5 Moderate Chlorite>> Chlorite phenocrysts (replacing CI?)

<<Alt: 107.8 - 111.5 Weak Cordierite>>

<<Alt: 107.8 - 111.5 Trace Calcite>>

111.50 118.20 RHYc Rhyolite coherant volcanics

111.5 - 118.2: Moderate-strong MU-alteration with moderate faulting and QZ-veining. Note intense MU-alteration at lower contact proximal to massive QZ-vein.

<<Min: 111.5 - 118.2 0.1% Min: Sphalerite>>

<<Min: 111.5 - 118.2 1% Min: Pyrite>>

<<Min: 111.5 - 118.2 2% Min: Pyrrhotite>>

<<Alt: 111.5 - 115.5 Moderate-Strong Muscovite>>

<<Alt: 111.5 - 118.2 Trace Calcite>>

<<Alt: 115.5 - 118.1 Intense Muscovite>> Massive sericite. Proximal to massive QZ-veining.

<<Alt: 118.1 - 121.8 Moderate Muscovite>> MU-alteration of MAFi

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Vein: 112.85 - 113 100% Quartz>> Massive QZ-vein									
		<<Vein: 115 - 118 80% Quartz-Sericite/White mica>> Massive QZ-veining with patchy carbonate and sericite. Intense sericite alteration around veining.									
		<<Struc: 113 - 114.6 Weak-Moderate Fault>>									
		<<Struc: 117 - 118.2 Weak-Moderate Fault>>									
118.20	**147.50**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	144.50	146.00	1.50	B00291773	-0.005	0.4	-0.01	-0.01	0.02
		118.2 - 147.5: MU-alteration at upper contact, patchy CL+/-MU alteration near the center of the unit, and MU-BI-CL alteration nearing lower contact with mineralization.									
		<<Min: 118.2 - 147.5 0.1% Min: Pyrite>>	146.00	147.50	1.50	B00291774	1.8	22.9	0.05	0.22	0.03
		<<Min: 118.2 - 147.5 0.1% Min: Pyrrhotite>>									
		<<Alt: 118.2 - 173.1 Moderate Calcite>>									
		<<Alt: 121.8 - 124.5 Weak Muscovite>> MU-alteration of MAFi									
		<<Alt: 136.7 - 138.2 Weak Chlorite>>									
		<<Alt: 136.7 - 138.3 Strong Muscovite>>									
		<<Alt: 138.3 - 142.3 Moderate-Strong Chlorite>>									
		<<Alt: 142.3 - 147.5 Weak Chlorite>>									
		<<Alt: 146.3 - 146.8 Strong Muscovite>>									
		<<Alt: 146.3 - 146.8 Moderate Biotite>>									
		<<Struc: 119.9 - 121.5 Moderate Fault>>									
		<<Struc: 123.6 - 123.8 Weak Fault>>									
		<<Struc: 143.2 - 143.8 Trace Fault>>									
147.50	**148.20**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	147.50	148.20	0.70	B00291775	0.597	114	0.2	1.68	2.59
		147.5 - 148.2: Heavily disseminated to patchy massive sulfides in MU-CL alteration									
		<<Min: 147.5 - 148.2 3% Min: Sphalerite>>									
		<<Min: 147.5 - 148.2 10% Min: Pyrite>>									
		<<Min: 147.5 - 148.2 1% Min: Galena>>									
		<<Alt: 147.5 - 148.2 Strong Muscovite>>									
		<<Alt: 147.5 - 148.2 Weak Chlorite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
148.20	**151.90**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	148.20	149.50	1.30	B00291776	0.008	0.8	-0.01	0.01	0.02
148.2 - 151.9: Patchy CL-MU alteration											
<<Min: 148.2 - 151.9 1% Min: Pyrite>>			149.50	150.70	1.20	B00291777	-0.005	-0.3	-0.01	-0.01	0.03
<<Min: 148.2 - 151.9 1% Min: Pyrrhotite>>			150.70	151.90	1.20	B00291778	0.464	1.9	0.05	-0.01	0.04
<<Min: 148.2 - 151.9 0.1% Min: Chalcopyrite>>											
<<Vein: 150.8 - 151.4 60% Calcite>> Massive CA-QZ veining											
<<Struc: 149.3 - 150 Weak Fault>>											
151.90	**152.50**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	151.90	152.50	0.60	B00291779	0.47	56.1	0.19	0.69	2.36
151.9 - 152.5: Patchy buckshot PY and fgr SP in strong CL-alteration											
<<Min: 151.9 - 152.5 2% Min: Sphalerite>>											
<<Min: 151.9 - 152.5 1% Min: Galena>>											
<<Min: 151.9 - 152.5 1% Min: Chalcopyrite>>											
<<Min: 151.9 - 152.9 7% Min: Pyrite>>											
<<Alt: 151.9 - 152.5 Moderate Chlorite>>											
<<Alt: 151.9 - 155.1 Strong Muscovite>>											
152.50	**152.80**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	152.50	152.80	0.30	B00291782	1.01	123	0.47	1.28	4.44
<<Min: 152.5 - 152.8 3% Min: Sphalerite>>											
<<Min: 152.5 - 152.8 90% Min: Pyrite>>											
<<Min: 152.5 - 152.8 0.5% Min: Galena>>											
152.80	**155.10**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	152.80	154.00	1.20	B00291783	0.005	1	-0.01	0.01	0.04
152.8 - 155.1: Patchy MU-BI+/-CL alteration. Local RHYc from 153.1-153.25 m.											
<<Min: 152.8 - 155.1 1% Min: Pyrite>>			154.00	155.10	1.10	B00291784	0.076	10.4	0.02	0.08	0.05
<<Alt: 152.8 - 155.1 Moderate-Strong Biotite>>											

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
155.10	**156.10**	**OK** **Heavilly disseminated sulphides and/or stringer style mineralization associated with barite ± quartz ± carbonate gangue**	155.10	156.10	1.00	B00291785	0.197	48.8	0.04	0.73	6.77
155.1 - 156.1: Semi-massive to massive PY+SP+/-GL with minor disseminated MG. Local buckshot PY. 10-15% silica-calcite+/-barite(?) gangue.											
<<Min: 155.1 - 156.1 5% Min: Sphalerite>>											
<<Min: 155.1 - 156.1 70% Min: Pyrite>>											
<<Min: 155.1 - 156.1 1% Min: Galena>>											
<<Min: 155.1 - 156.1 1% Min: Barite>>											
156.10	**173.10**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	156.10	157.10	1.00	B00291786	0.025	3.5	0.01	0.06	0.27
156.1 - 173.1: Large zones of moderate-strong BI-CL-alteration and local EP-alteration											
<<Min: 156.1 - 173.1 0.5% Min: Pyrrhotite>>			157.10	158.60	1.50	B00291787	-0.005	-0.3	-0.01	-0.01	0.02
<<Alt: 156.1 - 158.6 Weak-Moderate Epidote>>			169.10	170.60	1.50	B00291796	-0.005	-0.3	-0.01	-0.01	0.01
<<Alt: 156.1 - 158.6 Moderate Biotite>>			170.60	172.10	1.50	B00291797	-0.005	-0.3	-0.01	-0.01	0.01
<<Alt: 161.2 - 170.2 Moderate-Strong Biotite>> Dark green-black MAFi with fgr pervasive BI			172.10	173.10	1.00	B00291798	0.039	2.6	0.02	0.04	0.02
<<Alt: 170.2 - 173.1 Moderate Chlorite>>											
<<Alt: 170.2 - 173.1 Moderate Biotite>>											
<<Vein: 161.2 - 170.2 5% Calcite 30 deg. >> Minor 2mm-1.5 cm wide CA veins											
<<Struc: 158.8 - 158.81 Weak-Moderate dominant foliation>>											
<<Struc: 171.2 - 171.4 Weak Fault>>											
173.10	**177.10**	**OK** **Heavilly disseminated sulphides and/or stringer style mineralization associated with barite ± quartz ± carbonate gangue**	173.10	174.10	1.00	B00291799	2.48	177	0.51	4.28	7.19
173.1 - 177.1: ~30% calcite-silica-barite(?) gangue with wispy to semi-massive PY+SP+GL+/-CP+/-PO and disseminated MG. Local buckshot PY near upper contact.											
<<Min: 173.1 - 177.1 5% Min: Sphalerite>>			174.10	175.10	1.00	B00291802	2.01	96.3	0.22	2.29	3.99
<<Min: 173.1 - 177.1 60% Min: Pyrite>>			175.10	176.10	1.00	B00291803	2.55	75.3	0.13	1.66	3.22
<<Min: 173.1 - 177.1 0.5% Min: Pyrrhotite>>			176.10	177.10	1.00	B00291804	1.33	138	0.32	2.54	4.22

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 173.1 - 177.1 3% Min: Magnetite>>									
		<<Min: 173.1 - 177.1 1% Min: Galena>>									
		<<Min: 173.1 - 177.1 0.5% Min: Chalcopyrite>>									
		<<Min: 173.1 - 177.1 1% Min: Barite>>									
		<<Alt: 173.1 - 177.1 Moderate Calcite>>									
177.10	**178.80**	**RHY undifferentiated rhyolite**	177.10	178.00	0.90	B00291805	0.015	2.1	-0.01	0.03	0.04
		177.1 - 178.8: Strongly MU-altered rhyolite									
		<<Min: 177.1 - 178.8 1% Min: Pyrite>>	178.00	178.80	0.80	B00291806	0.008	2.2	-0.01	0.04	0.07
		<<Alt: 177.1 - 178.8 Strong Muscovite>>									
		<<Alt: 177.1 - 178.8 Weak Calcite>>									
		<<Vein: 177.25 - 177.4 50% Quartz>> Minor ~5 cm wide QZ-veins									
		<<Vein: 178.5 - 178.6 100% Quartz>> Massive QZ-vein									
		<<Struc: 178.7 - 178.8 Weak Fault>>									
178.80	**180.00**	**OK Heavilly disseminated sulphides and/or stringer style mineralization associated with barite ± quartz ± carbonate gangue**	178.80	180.00	1.20	B00291807	0.611	115	0.07	2.06	4.62
		178.8 - 180: ~40% silica-calcite-muscovite+/-barite+/-chlorite gangue with semi-massive PY+SP+GL									
		<<Min: 178.8 - 180 5% Min: Sphalerite>>									
		<<Min: 178.8 - 180 60% Min: Pyrite>>									
		<<Min: 178.8 - 180 1% Min: Galena>>									
		<<Min: 178.8 - 180 1% Min: Barite>>									
		<<Alt: 178.8 - 180 Moderate Calcite>>									
		<<Vein: 179.5 - 180.1 80% Quartz>> Massive QZ-carb vein with disseminated Cgr PY									
180.00	**184.30**	**RHY undifferentiated rhyolite**	180.00	181.50	1.50	B00291808	0.014	1.8	-0.01	0.02	0.04
		180 - 184.3: Strongly MU-altered									
		<<Min: 180 - 184.3 0.5% Min: Tetrahedrite>>	181.50	183.00	1.50	B00291809	0.108	3.9	-0.01	0.04	0.05
		<<Min: 180 - 184.3 1% Min: Pyrite>>	183.00	184.30	1.30	B00291811	0.028	3.4	-0.01	0.06	0.06
		<<Alt: 180 - 184.3 Strong Muscovite>>									
		<<Alt: 180 - 184.3 Weak Calcite>>									
		<<Vein: 181.3 - 181.8 60% Quartz>> Deformed massive QZ-veining in strong MU-alteration									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Struc: 181.8 - 182.1 Moderate Fault>>									
184.30	**188.80**	**OB** **Wispy laminar, fine buckshot textured, massive sulphide with lesser magnetite**	184.30	185.80	1.50	B00291812	0.866	165	0.66	3.79	9.05
		184.3 - 188.8: Massive banded PY+SP+GL+/-CP. Local PY buckshot texture particularly in SP-rich bands. Minor disseminated MG.									
		<<Min: 184.3 - 188.8 10% Min: Sphalerite>>	185.80	187.30	1.50	B00291813	1.1	217	0.7	3.79	9.36
		<<Min: 184.3 - 188.8 80% Min: Pyrite>>	187.30	188.80	1.50	B00291814	1.21	222	0.86	3.7	10.1
		<<Min: 184.3 - 188.8 2% Min: Galena>>									
		<<Min: 184.3 - 188.8 2% Min: Chalcopyrite>>									
		<<Alt: 184.3 - 188.8 Weak-Moderate Calcite>>									
		<<Struc: 188.52 - 188.53 Moderate dominant foliation>> SP band									
		<<Struc: 188.6 - 188.8 Moderate Fault>>									
188.80	**207.60**	**MAFi** **Mafic Intrusions (primarily footwall mafic intrusion)**	188.80	190.30	1.50	B00291815	0.051	10.1	0.08	0.14	0.37
		188.8 - 207.6: Patchy CL-BI alteration near upper portion of unit and patchy CL-MU-alteration near lower contact.									
		<<Min: 188.8 - 207.6 0.5% Min: Pyrrhotite>>	190.30	191.80	1.50	B00291816	0.023	4.9	0.01	0.08	0.14
		<<Alt: 188.8 - 189.9 Moderate Muscovite>>	191.80	193.30	1.50	B00291817	0.008	2.9	0.01	0.06	0.06
		<<Alt: 188.8 - 192.7 Moderate Calcite>>	204.60	206.10	1.50	B00291824	-0.005	1.5	0.01	0.03	0.04
		<<Alt: 192.7 - 201.5 Weak Calcite>> FRA	206.10	207.60	1.50	B00291825	0.005	2.2	0.01	0.04	0.1
		<<Alt: 201.5 - 207.2 Moderate Calcite>>									
		<<Alt: 207.2 - 207.6 Strong Muscovite>>									
		<<Alt: 207.2 - 251 Trace Calcite>>									
		<<Vein: 206.5 - 206.6 80% Quartz>> QZ-CL vein									
		<<Struc: 207.3 - 207.6 Weak Fault>>									
207.60	**207.90**	**OJ** **Heavilly disseminated sulphides and/or stringer style mineralization in proximal altered rock**	207.60	207.90	0.30	B00291826	0.552	56.4	4.7	0.09	1.46
		207.6 - 207.9: Patchy CP+PO+PY in chlorite alteration									
		<<Min: 207.6 - 207.9 5% Min: Pyrite>>									
		<<Min: 207.6 - 207.9 2% Min: Pyrrhotite>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %
		<<Min: 207.6 - 207.9 5% Min: Chalcopyrite>>									
		<<Alt: 207.6 - 207.9 Strong Chlorite>>									
207.90	**210.30**	**RHYc Rhyolite coherant volcanics**	207.90	209.10	1.20	B00291827	-0.005	0.4	-0.01	-0.01	0.04
		207.9 - 210.3: MU-altered, silica banded rhyolite									
		<<Min: 207.9 - 210.3 0.5% Min: Pyrite>>									
		<<Alt: 207.9 - 210.3 Strong Muscovite>>									
		<<Struc: 207.9 - 208.1 Weak Fault>>									
210.30	**211.10**	**MDSt Rhyolite tuff dominant mudstone**									
		<<Min: 210.3 - 211.1 1% Min: Pyrite>>									
		<<Struc: 210.4 - 213 Trace Fault>>									
211.10	**223.10**	**RHYv Rhyolite volcaniclastic**									
		<<Min: 211.1 - 223.1 2% Min: Pyrrhotite>>									
		<<Alt: 211.1 - 223.1 Weak Muscovite>>									
		<<Vein: 219.2 - 220.8 50% Quartz-Carbonate>> Brittle deformed QZ+CA vein with patchy interstitial CL and disseminated PO+PY									
		<<Struc: 219.4 - 220.8 Weak Fault>>									
		<<Struc: 222.6 - 223.5 Moderate Fault>>									
223.10	**223.50**	**OI Heavilly disseminated sulphides in host schist**									
		223.1 - 223.5: Disseminated PY in coherent blocks within strong MU-altered fault zone									
		<<Min: 223.1 - 223.5 15% Min: Pyrite>>									
		<<Alt: 223.1 - 223.5 Strong Muscovite>>									
223.50	**247.40**	**RHYvl Lapilli tuff**									
		<<Min: 223.5 - 243 1% Min: Pyrite>>									
		<<Min: 223.5 - 243 0.5% Min: Pyrrhotite>>									
		<<Min: 243 - 256.7 1% Min: Pyrrhotite>>									
		<<Alt: 223.5 - 229.5 Weak Muscovite>>									
		<<Struc: 225.3 - 225.6 Weak-Moderate Fault>>									
		<<Struc: 226 - 228 Trace Fault>>									
		<<Struc: 232.9 - 233.1 Weak Fault>>									
		<<Struc: 235.8 - 236 Weak Fault>>									

From (m)	To (m)	Rocktype & Description	From (m)	To (m)	Width	Sample	Au ppm	Ag ppm	Cu %	Pb %	Zn %

247.40 256.70 RHYvl Lapilli tuff

247.4 - 256.7: Minor disseminated TML and PO

<<Alt: 251 - 256.7 Trace Chlorite>>

<<Alt: 251 - 256.7 Weak-Moderate Calcite>>

<<Alt: 251 - 273.1 Trace Tourmaline>>

256.70 266.90 RHYv Rhyolite volcaniclastic

<<Min: 256.7 - 282 0.1% Min: Pyrrhotite>>

<<Alt: 256.7 - 273.1 Weak Calcite>>

<<Alt: 257.2 - 273.1 Weak Muscovite>>

<<Struc: 262 - 273.1 Weak-Moderate Fault>>

266.90 273.10 RHYvl Lapilli tuff

<<Vein: 269.6 - 269.8 80% Quartz-Tourmaline>> QZ-TML vein

273.10 278.70 SED undifferentiated Sediment

273.1 - 278.7: Moderately faulted CL-BI(brown)-CA-QZ-MU schist

<<Alt: 273.1 - 282 Moderate Calcite>>

<<Struc: 273.1 - 278.7 Moderate Fault>>

278.70 282.00 FLZ Fault Zone

278.7 - 282: Fault gouge-supported breccia dominated by fgr chloritic gouge

<<Struc: 278.7 - 282 Strong Fault>>

End of Hole @ 282